

MATERIAL SAFETY DATA SHEET

SI

DATE OF PREP: 1/26/88

IPL # 20002

SECTION I

MANUFACTURERS NAME:
SIKKENS AEROSPACE FINISHES
DIVISION OF AKZO COATINGS AMERICA INC.
STREET ADDRESS:
20846 S. NORMANDIE AVE
TORRANCE, CA 90502

EMERGENCY TELEPHONE NO.:
(213) 320-6800

MANUFACTURERS CODE IDENTIFICATION:
X 310A

TRADE NAME:
POLYURETHANE CATALYST

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS:	C.A.S. NO. * PCT *	* TLV *	* PEL *	* VAPOR *
	BY WT	PPM	MG/M3	MG/M3 * PRESS
HEXAMETHYLENE DIISOCYANATE MONOMER	822-04-0 * <5*	* .02	-----*	-----* NA
XYLENE	1330-20-7 *10-25*	* 100.00	435.00*	100.00 435.00* 9.5
XYLOL	* *	* *	* *	* *
PHATIC POLYISOCYANATE RESIN	28182-81-2 *70-85*	* -----	1.00*	-----* NA
BUTYL ACETATE	123-86-4 *10-25*	* 150.00	710.00*	150.00 710.00* 8.0
ESTER SOLVENT	* *	* *	* *	* *

SECTION III - PHYSICAL DATA

BOILING RANGE:
260 - 284 DEG. F

VAPOR DENSITY VS. AIR:
HEAVIER THAN AIR

EVAPORATION RATE VS. ETHER:
DWER

PERCENT VOLATILE BY VOLUME:
30.0

WEIGHT PER GALLON:
8.85 LBS.

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY:

PAINT,

FLAMMABLE LIQUID, UN-1263

FLASH POINT:

91F PMCC

LEL: 1.0

OSHA CLASSIFICATION:

FLAMMABLE LIQUID - CLASS IC

EXTINGUISHING MEDIA:

FOAM, CARBON DIOXIDE, DRY CHEMICALS

UNUSUAL FIRE AND EXPLOSION HAZARDS:

KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS, AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. APPLICATION TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS.

SPECIAL FIRE FIGHTING PROCEDURES:

WATER MAY BE INEFFECTIVE. WATER SHOULD BE USED TO COOL CONTAINERS EXPOSED TO FIRE. FIRE FIGHTING PERSONNEL SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS.

SECTION V - REACTIVITY DATA

STABILITY:

STABLE

INCOMPATIBILITY (MATERIALS TO AVOID):

WATER, AMINES.

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON MONOXIDE, CARBON DIOXIDE, SMOKE, OXIDES OF NITROGEN.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

CONDITIONS TO AVOID:

CONTACT WITH MOISTURE AND OTHER MATERIALS WHICH REACT WITH ISOCYANATES.

SECTION VI - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: SEE SECTION II.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: MOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NECESSARY.

SKIN CONTACT: WASH WITH SOAP & WATER.

EYE CONTACT: FLUSH WITH WATER FOR AT LEAST 15 MINUTES, CONSULT A PHYSICIAN.

INGESTION: DRINK ONE OR TWO GLASSES OF WATER TO DILUTE. DO NOT INDUCE VOMITING.

CONSULT PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. TREAT SYMPTOMATICALLY.

MEDICAL CONDITIONS PRONE TO AGGRAVATION:

RESPIRATORY AND/OR SKIN SENSITIVITY TO ISOCYANATES MAY CAUSE ALLERGIC REACTIONS.

THE FOLLOWING HAZARDS HAVE BEEN REPORTED TO BE ASSOCIATED WITH THE INDIVIDUAL COMPONENTS OF THIS PRODUCT. THESE HAZARDS MAY NOT ALL BE ASSOCIATED WITH THE FINISHED PRODUCT.

ACUTE:

WARNING! MAY CAUSE SKIN SENSITIZATION OR OTHER ALLERGIC RESPONSES.

VAPORS MAY BE IRRITATING AND CAUSE COUGHING, CHEST PAIN, AND IRRITATION OF NOSE AND THROAT.

EXPOSURE TO VAPORS MAY IRRITATE THE RESPIRATORY TRACT AND CAUSE REDUCED LUNG FUNCTION

EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, POSSIBLE UNCONSCIOUSNESS, AND EVEN ASPHYXIATION.

EYE CONTACT MAY CAUSE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION, AND A SENSATION OF SEEING HALOS AROUND LIGHTS.

PROLONGED CONTACT WITH THE SKIN MAY LEAD TO EXTRACTION OF NATURAL OILS WITH RESULTANT MILD IRRITATION.

IF SWALLOWED, CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA. ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.

EXPOSURE TO SPRAY MIST MAY CAUSE CAUGHING, CHEST PAIN, IRRITATION TO SKIN, THROAT, AND RESPIRATORY PASSAGES, AND MAY CAUSE REDUCED LUNG FUNCTION.

NOTICE: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAYBE HARMFUL OR FATAL. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

CHRONIC:

PREVIOUS OVEREXPOSURES TO VAPORS MAY CAUSE SENSITIZATION OF LUNG FUNCTION. SENSITIZATION MAY BE PERMANENT IN SOME INDIVIDUALS.

CHRONIC EXPOSURE MAY CAUSE LIVER AND KIDNEY DAMAGE.

OVEREXPOSURE TO MATERIAL HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS: CARDIAC ABNORMALITIES.

OVEREXPOSURE MAY CAUSE RED BLOOD CELL AND LEUCOCYTE DISORDERS WHICH MAY RESULT IN AN ANEMIC CONDITION.

PREVIOUS OVEREXPOSURES TO SPRAY MIST MAY CAUSE SENSITIZATION TO SKIN AND RESPIRATORY PASSAGES. SENSITIZATION MAY BECOME PERMANENT IN SOME INDIVIDUALS.

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SECTION VII - SPILL OR LEAK PROCEDURES

3 TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

REFER TO PROTECTIVE MEASURES LISTED IN SECTIONS IV., V., VI., VIII. AND IX.
REMOVE ALL SOURCES OF IGNITION. AVOID BREATHING VAPORS. VENTILATE AREA. REMOVE
WITH INERT ABSORBENT. FLUSH AREA WITH WATER INTO DRUMS AND TREAT WITH WATER
CONTAINING 1% AMMONIA BEFORE DISPOSAL.

WASTE DISPOSAL METHOD:

INCINERATE IN APPROVED FACILITY, DO NOT INCINERATE CLOSED CONTAINERS. DISPOSE OF
IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL POLLUTION CONTROL REQUIREMENTS.

SECTION VIII - SAFE HANDLING & USE INFORMATION

RESPIRATORY PROTECTION:

ADEQUATE VENTILATION IS REQUIRED. USE NIOSH/MSHA APPROVED RESPIRATOR DEVICE.
SEE YOUR SAFETY EQUIPMENT SUPPLIER FOR EVALUATION AND RECOMMENDATION.
IN CONFINED AREAS USE NIOSH/MSHA APPROVED AIRLINE RESPIRATOR OR HOOD.

VENTILATION:

PROVIDE SUFFICIENT VENTILATION TO KEEP VAPOR CONCENTRATION BELOW GIVEN TLV & LEL
FOR BAKING FINISHES, EXHAUST VAPORS EMITTED ON HEATING. REMOVE DECOMPOSITION
PRODUCTS FORMED DURING WELDING OR FLAME CUTTING OF SURFACES COATED WITH THIS
PRODUCT.

PROTECTIVE GLOVES:

REQUIRED FOR PROLONGED OR REPEATED CONTACT.

EYE PROTECTION:

SAFETY EYEWEAR DESIGNED TO PROTECT AGAINST SPLASH OF LIQUIDS.

OTHER PROTECTIVE EQUIPMENT:

EYE BATH AND SHOWER SHOULD BE AVAILABLE.

HYGIENIC PRACTICES:

WASH HANDS BEFORE EATING, SMOKING OR USING WASHROOM

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES. CLOSE CONTAINERS AFTER EACH USE.
CONSULT NFPA CODE FOR ADDITIONAL STORAGE REQUIREMENTS.

OTHER PRECAUTIONS:

DO NOT TAKE INTERNALLY. USE APPROVED BONDING AND GROUNDING PROCEDURES. OBSERVE
LABEL PRECAUTIONS. CONTAINS ISOCYANATE AND IS SENSITIVE TO MOISTURE, AND SHOULD
BE KEPT IN TIGHTLY CLOSED CONTAINERS.

APPROVED BY RAW MATERIAL & FORMULA INFORMATION DEPARTMENT

NAME:

DATE: 9/10/87

FORMULA DATE 3/31/87

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